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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                        |                                      |
|------------------------|--------------------------------------|
| Attorney Docket No.    | IB-1632                              |
| First Inventor         | Ronald P. Reade et al.               |
| Title                  | PARTICLE BEAM BIAxIAL ORIENTATION... |
| Express Mail Label No. | EK340215250US                        |

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 29]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration— [Total Pages 2]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information

Examiner \_\_\_\_\_

Group Art Unit. \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Labelor ☒ Correspondence address below

|         |                      |           |                |          |                |
|---------|----------------------|-----------|----------------|----------|----------------|
| Name    | John P. Taylor       |           |                |          |                |
| Address | Post Office Box 1598 |           |                |          |                |
| City    | Temecula             | State     | California     | Zip Code | 92593-1598     |
| Country | USA                  | Telephone | (909) 699-7551 | Fax      | (909) 699-7852 |

|                   |                |                                   |          |
|-------------------|----------------|-----------------------------------|----------|
| Name (Print/Type) | John P. Taylor | Registration No. (Attorney/Agent) | 22,369   |
| Signature         | John P. Taylor | Date                              | 12/15/00 |

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**FEE TRANSMITTAL****for FY 2000**

Patent fees are subject to annual revision.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$) 601.00

**Complete if Known**

|                      |                        |
|----------------------|------------------------|
| Application Number   | To be assigned         |
| Filing Date          | Herewith               |
| First Named Inventor | Ronald P. Reade et al. |
| Examiner Name        | Unknown                |
| Group / Art Unit     | Unknown                |
| Attorney Docket No.  | IB-1632                |

**METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge ~~any~~ fees and credit any overpayments to additional

Deposit Account Number 20-0092

Deposit Account Name

☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other
**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity  |               | Small Entity  |               | Fee Description        | Fee Paid |
|---------------|---------------|---------------|---------------|------------------------|----------|
| Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Code (\$) |                        |          |
| 101 710       | 201 355       |               |               | Utility filing fee     | 355      |
| 106 310       | 206 155       |               |               | Design filing fee      |          |
| 107 480       | 207 240       |               |               | Plant filing fee       |          |
| 108 690       | 208 345       |               |               | Reissue filing fee     |          |
| 114 150       | 214 75        |               |               | Provisional filing fee |          |

SUBTOTAL (1) (\$) 355

**2. EXTRA CLAIM FEES**

| Total Claims       |       | Extra Claims |   | Fee from below |   | Fee Paid |  |
|--------------------|-------|--------------|---|----------------|---|----------|--|
| 34                 | -20** | 14           | X | 9              | = | 126      |  |
| 6                  | -3**  | 3            | X | 40             | = | 120      |  |
| Multiple Dependent |       |              |   | 135            | = | 0        |  |

\*\*or number previously paid, if greater; For Reissues, see below

| Large Entity  |               | Small Entity  |               | Fee Description  | Fee Paid |
|---------------|---------------|---------------|---------------|--|----------|
| Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Code (\$) |  |          |
| 103 18        | 203 9         |               |               | Claims in excess of 20                                     |          |
| 102 20        | 202 10        |               |               | Independent claims in excess of 3                          |          |
| 104 270       | 204 135       |               |               | Multiple dependent claim, if not paid                      |          |
| 109 78        | 209 39        |               |               | ** Reissue independent claims over original patent         |          |
| 110 18        | 210 9         |               |               | ** Reissue claims in excess of 20 and over original patent |          |

SUBTOTAL (2) (\$) 246

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity  |               | Small Entity  |               | Fee Description  | Fee Paid |
|---------------|---------------|---------------|---------------|--|----------|
| Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Code (\$) |  |          |
| 105 130       | 205 65        |               |               | Surcharge - late filing fee or oath  |          |
| 127 50        | 227 25        |               |               | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139 130       | 139 130       |               |               | Non-English specification  |          |
| 147 2,520     | 147 2,520     |               |               | For filing a request for reexamination                                     |          |
| 112 920*      | 112 920*      |               |               | Requesting publication of SIR prior to Examiner action                     |          |
| 113 1,840*    | 113 1,840*    |               |               | Requesting publication of SIR after Examiner action                        |          |
| 115 110       | 215 55        |               |               | Extension for reply within first month                                     |          |
| 116 380       | 216 190       |               |               | Extension for reply within second month                                    |          |
| 117 870       | 217 435       |               |               | Extension for reply within third month                                     |          |
| 118 1,360     | 218 680       |               |               | Extension for reply within fourth month                                    |          |
| 128 1,850     | 228 925       |               |               | Extension for reply within fifth month                                     |          |
| 119 300       | 219 150       |               |               | Notice of Appeal   |          |
| 120 300       | 220 150       |               |               | Filing a brief in support of an appeal                                     |          |
| 121 260       | 221 130       |               |               | Request for oral hearing   |          |
| 138 1,510     | 138 1,510     |               |               | Petition to institute a public use proceeding                              |          |
| 140 110       | 240 55        |               |               | Petition to revive - unavoidable   |          |
| 141 1,210     | 241 605       |               |               | Petition to revive - unintentional   |          |
| 142 1,210     | 242 605       |               |               | Utility issue fee (or reissue)   |          |
| 143 430       | 243 215       |               |               | Design issue fee   |          |
| 144 580       | 244 290       |               |               | Plant issue fee  |          |
| 122 130       | 122 130       |               |               | Petitions to the Commissioner  |          |
| 123 50        | 123 50        |               |               | Petitions related to provisional applications                              |          |
| 126 240       | 126 240       |               |               | Submission of Information Disclosure Stmt                                  |          |
| 581 40        | 581 40        |               |               | Recording each patent assignment per property (times number of properties) |          |
| 146 690       | 246 345       |               |               | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149 690       | 249 345       |               |               | For each additional invention to be examined (37 CFR § 1.129(b))           |          |

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0

**SUBMITTED BY**

|                   |                |                                   |          |           |                |
|-------------------|----------------|-----------------------------------|----------|-----------|----------------|
| Name (Print/Type) | John P. Taylor | Registration No. (Attorney/Agent) | 22,369   | Telephone | (909) 699-7551 |
| Signature         | John P. Taylor | Date                              | 12/15/00 |           |                |

**WARNING:**

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.